



HIGHWAY PROJECT INFORMATION

April 17, 2013



STP-45-3(110) *IN TILDEN & BATTLE CREEK NORTH*; CN 31897

LOCATION: This proposed resurfacing, restoration, and rehabilitation (3R) project has two segments. The western segment on Nebraska Highway 45 (N-45), located in Antelope and Madison counties, begins at 10th Street in Tilden where the pavement changes from asphalt to concrete at Mile Marker 26.31, and extends 0.76 of a mile north ending at the junction of U.S. Highway 275 (US-275) at M.M. 27.07. The eastern segment on Nebraska Highway 121 (N-121) in Madison County, begins at the north corporate limits of Battle Creek at M.M. 11.95 and extends 1.39 miles ending at the junction of US-275 at M.M. 13.34.

PURPOSE AND NEED: The purpose of this project is to preserve the N-45 and N-121 transportation assets, improve the reliability of the highway system, and maintain the mobility of the traveling public. The need for the project is to address rough and faulting concrete pavement on N-45, asphalt paving that has moderate rutting and thermal cracking within the Tilden corporate limits, and asphalt paving on N-121 has severe rutting and thermal cracking.

SCOPE OF WORK: The proposed improvements on N-45 would consist of concrete pavement repair, milling (a process of grinding off the roadway surface), and resurfacing with asphalt. The improvements on N-121 would consist of milling, trench widening, and resurfacing with asphalt. A right-turn lane from eastbound US-275 to southbound N-121 would be constructed. Existing surfaced driveways and intersections would be resurfaced. One concrete box culvert would be extended. New lighting would be installed at the intersection of N-121 and US-275.

TRAFFIC VOLUMES:

Nebraska Highway 45 (N-45)

Year	2014	2024
Vehicles Per Day (ADT)	1900	1900
% Heavy Trucks	7%	7%

Nebraska Highway 121 (N-121)

Year	2014	2034
Vehicles Per Day (ADT)	2255	2340
% Heavy Trucks	7%	7%

ESTIMATED CONSTRUCTION SCHEDULE: The proposed construction is scheduled to commence in spring of 2014 and take approximately four months to complete. This construction is planned for relatively the same season as NDOR Project **STP-45-3(107) TILDEN SOUTH**; CN 31808.

PROPOSED ACCOMMODATION OF TRAFFIC: This project will be constructed under traffic (without detouring) with any temporary lane closures controlled by appropriate traffic control procedures. Access to adjacent properties will be maintained during construction, but may be limited for short durations while construction activities pass the accesses.

RIGHT-OF-WAY: No new property purchases for right-of-way (ROW) or temporary easements (TE) are anticipated.

POTENTIAL IMPACTS: Approximately 0.13 of an acre of wetlands would be permanently impacted. These wetlands would be mitigated at a regional wetlands bank. The project would resurface the N-45 crossing at the Cowboy Trail, a state recreational path passing through north Tilden. Those impacts would be temporary.

ESTIMATED COST: The estimated cost is approximately \$2.1 million. Although a portion of the project is within the corporate limits, no expense would be incurred by the City of Tilden.

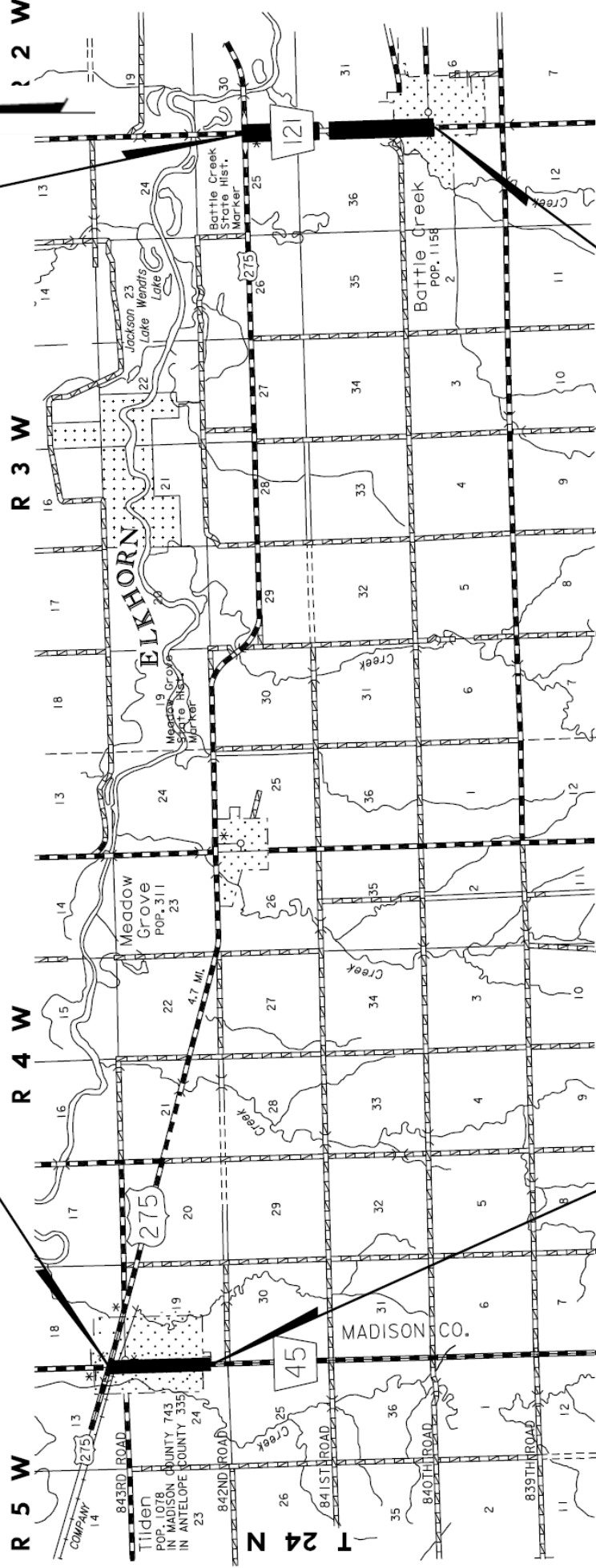
STP-45-3(110)

IN TILDEN & BATTLE CREEK NORTH

C.N. 31897

R.P. 27+07 HWY. N-45
STA. 483+87.60
END PROJECT

R.P. 13+34 HWY. N-121
STA. 180+81.76
END PROJECT



PRELIMINARY PLAN
NOT FINAL - SUBJECT TO CHANGE

Send comments to:
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